

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of	)	
	)	
Steven M. Blair )	Art Unit:	1641
	)	
Application No.: 10/089,497	)	Examiner: Christopher L. Chin
Filing Date: August 21, 2002	)	
	)	Confirmation: 9592
U.S. Patent No.: 7,384,797	)	
Issue Date: June 10, 2008	)	
	)	
For: RESONANT OPTICAL CAVITIES FOR HIGH-	)	
SENSITIVITY HIGH-THROUGHPUT BIOLOGICAL	)	
SENSORS AND METHODS	)	

**REQUEST FOR CERTIFICATE OF CORRECTION**  
**UNDER 35 U.S.C. § 255 AND 37 C.F.R. § 1.323**

Commissioner for Patents  
ATTN: Certificate of Correction Branch  
Box 1450  
Alexandria, VA 22313-1450

BALLARD SPAHR ANDREWS & INGERSOLL, LLP  
Customer Number 23859

Sir:

In accordance with the provisions of 35 U.S.C. § 254 and 37 C.F.R. § 1.322(a)(1)(i), it is respectfully requested that a Certificate of Correction be issued to correct errors in the above-identified patent. Two (2) copies of the Certificate of Correction are appended. The complete Certificate of Correction involves two (2) pages.

**REMARKS**

Applicants believe that the requested changes are the result of typographical errors made by the USPTO during the publication of the application. These errors do not involve changes in

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U.S. PATENT NO. 7,384,797

the patent so as to constitute new matter or to require reexamination. Therefore, Applicants respectfully request issuance of a Certificate of Correction.

No fee is believed due; however, the Commissioner is hereby authorized to charge to Deposit Account No. 14-0629 any additional fees that may be required, or to credit to the same account any overpayment of fees.

Respectfully submitted,

BALLARD SPAHR ANDREWS & INGERSOLL, LLP

/Janell T. Cleveland/

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Janell T. Cleveland  
Registration No. 53,848

BALLARD SPAHR ANDREWS & INGERSOLL, LLP  
Customer Number 23859  
(678) 420-9300  
(678) 420-9301 (fax)

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I hereby certify that this correspondence, including any items indicated as attached or included, is being transmitted via EFS Web on the date indicated below.

/Janell T. Cleveland/

September 4, 2008

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Janell T. Cleveland

\_\_\_\_\_  
Date

UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION

Patent No. : 7,384,797  
Application No. : 10/089,497  
Issue Date : June 10, 2008  
Inventor : Steven M. Blair

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At Column 16, lines 42-45, please make the following changes to Equation (1) (shown below):

$$P_{cavity} = \frac{v_g \tau^2}{\pi R \tau_c} P_{inc}$$

$$P_{trans} = (1 - 2\tau / \tau_c)^1 P_{inc}$$

(a) in the second part of the equation, the exponent should be 2 rather than 1,

(b) in the second part of the equation,  $\tau_c$  should be  $\tau_e$ .

At Column 16, line 52, please make the following change to the equation (shown below):

(a) in the equation  $1/\tau_c = 1/\tau_d + 1/\tau_l$ ,

$\tau_c$  should be  $\tau_e$ .

At Column 17, lines 28-31, please make the following changes to Equation (4) (shown below):

(a) please remove the top part of the equation

$$\frac{+72 = 1 - e^{-+60L} \approx +60L}{wg}$$

from the total equation

$$\frac{+72 = 1 - e^{-+60L} \approx +60L}{wg}$$

$$n_{wg} = 1 - e^{aL} = aL$$

so that only the bottom part of the equation remains.

$$n_{wg} = 1 - e^{aL} = aL$$